

SEQUENCE LISTING

Sequence ID No: 1	MTEYKLVVVGAGGVGKSALTIQLIQNHFVDEYDPTIEDSYR KQVVIDGETCLLDILDTAGQEEYSAMRDQYMRTGEGFLCVF AINNTKSFEDIHQYREQIKRVKDSDDVPMVLVGNKCDLAAR TVESRQAQDLARSYGIPYIETSAKTRQGVEDAFAFYTLVREIRQ HKLRKLNPPDESGPGCMSCKCVLS
Sequence ID No: 2	MTEYKLVVVGAGGVGKSATIQLIQNHFVDEYDPTIEDSYR KQVVIDGETCLLDILDTAGQEEYSAMRDQYMRTGEGFLCVF AINNTKSFEDIHQYREQIKRVKDSDDVPMVLVGNKCDLAAR TVESRQAQDLARSYGIPYIETSAKTRQGVEDAFAFYTLVREIRQ HKLRKLNPPDESGPGCMSCKCVLS
Sequence ID No: 3	MTEYKLVVVGAGGVGKSAGTIQLIQNHFVDEYDPTIEDSYR KQVVIDGETCLLDILDTAGQEEYSAMRDQYMRTGEGFLCVF AINNTKSFEDIHQYREQIKRVKDSDDVPMVLVGNKCDLAAR TVESRQAQDLARSYGIPYIETSAKTRQGVEDAFAFYTLVREIRQ HKLRKLNPPDESGPGCMSCKCVLS
Sequence ID No: 4	MTEYKLVVVGAGGVGKSALTIQLIQNHA VDEYDPTIEDSYR KQVVIDGETCLLDILDTAGQEEYSAMRDQYMRTGEGFLCVF AINNTKSFEDIHQYREQIKRVKDSDDVPMVLVGNKCDLAAR TVESRQAQDLARSYGIPYIETSAKTRQGVEDAFAFYTLVREIRQ HKLRKLNPPDESGPGCMSCKCVLS
Sequence ID No: 5	MTEYKLVVVGAGGVGKSALTIQLIQNHFVDEYDPTIEDSYR KQVVIDGETCLLDILDTAGQEEYSAMRDQYMRTGEGFLCVF AINNTKSFEDIHQYREQIKRVKDSDDVPMVLVGNKCDLAAR TVESRQAQDLARSYGIPYIETSAKTRQGVEDAFAFYTLVREIRQ HKLRKLNPPDESGPGCMSCKCVLS
Sequence ID No: 6	MTEYKLVVVGAGGVGKSALTIQLIQNHFVDEYDPTIEDSYR KQVVIDGETCLLDILDTAGQEEYSAMRDQYMRTGEGFLCVF AINNTKSFEDIHQYREQIKRVKDSDDVPMVLVGAKCDAAR TVESRQAQDLARSYGIPYIETSAKTRQGVEDAFAFYTLVREIRQ HKLRKLNPPDESGPGCMSCKCVLS
Sequence ID No: 7	MTEYKLVVVGAGGVGKSALTIQLIQNHFVDEYDPTIEDSYR KQVVIDGETCLLDILDTAGQEEYSAMRDQYMRTGEGFLCVF AINNTKSFEDIHQYREQIKRVKDSDDVPMVLVGGKCDLAAR TVESRQAQDLARSYGIPYIETSAKTRQGVEDAFAFYTLVREIRQ HKLRKLNPPDESGPGCMSCKCVLS
Sequence ID No: 8	MTEYKLVVVGAGGVGKSALTIQLIQNHFVDEYDPTIEDSYR KQVVIDGETCLLDILDTAGQEEYSAMRDQYMRTGEGFLCVF AINNTKSFEDIHQYREQIKRVKDSDDVPMVLVGNACDAAR TVESRQAQDLARSYGIPYIETSAKTRQGVEDAFAFYTLVREIRQ HKLRKLNPPDESGPGCMSCKCVLS
Sequence ID No: 9	MTEYKLVVVGAGGVGKSALTIQLIQNHFVDEYDPTIEDSYR KQVVIDGETCLLDILDTAGQEEYSAMRDQYMRTGEGFLCVF AINNTKSFEDIHQYREQIKRVKDSDDVPMVLVGNGCDAAR TVESRQAQDLARSYGIPYIETSAKTRQGVEDAFAFYTLVREIRQ HKLRKLNPPDESGPGCMSCKCVLS

Sequence ID No: 10	MTEYKLVVVGAGGVGKSAATIQLIQNHFVDEYDPTIEDSYR KQVVIDGETCLLDILDTAGQEEYSAMRDQYMRTGEGFLCVF AINNTKSFEDIHQYREQIKRVKDSDDVPMVLVGAKCDLAAR TVESRQAQDLARSYGIPYIETSAKTRQGVEDAFYTLVREIRQ HKLRKLNPPDESGPGCMSCKCVLS
Sequence ID No: 11	MTEYKLVVVGAGGVGKSAATIQLIQNHFVDEYDPTIEDSYR KQVVIDGETCLLDILDTAGQEEYSAMRDQYMRTGEGFLCVF AINNTKSFEDIHQYREQIKRVKDSDDVPMVLVGAKCDLAAR TVESRQAQDLARSYGIPYIETSAKTRQGVEDAFYTLVREIRQ HKLRKLNPPDESGPGCMSCKCVLS
Sequence ID No: 12	MTEYKLVVVGAGGVGKSAGTIQLIQNHFVDEYDPTIEDSYR KQVVIDGETCLLDILDTAGQEEYSAMRDQYMRTGEGFLCVF AINNTKSFEDIHQYREQIKRVKDSDDVPMVLVGAKCDLAAR TVESRQAQDLARSYGIPYIETSAKTRQGVEDAFYTLVREIRQ HKLRKLNPPDESGPGCMSCKCVLS
Sequence ID No: 13	MTEYKLVVVGAGGVGKSAGTIQLIQNHFVDEYDPTIEDSYR KQVVIDGETCLLDILDTAGQEEYSAMRDQYMRTGEGFLCVF AINNTKSFEDIHQYREQIKRVKDSDDVPMVLVGAKCDLAAR TVESRQAQDLARSYGIPYIETSAKTRQGVEDAFYTLVREIRQ HKLRKLNPPDESGPGCMSCKCVLS
Sequence ID No: 14	MTEYKLVVVGAGGVGKSACTIQLIQNHFVDEYDPTIEDSYR KQVVIDGETCLLDILDTAGQEEYSAMRDQYMRTGEGFLCVF AINNTKSFEDIHQYREQIKRVKDSDDVPMVLVGAKCDLAAR TVESRQAQDLARSYGIPYIETSAKTRQGVEDAFYTLVREIRQ HKLRKLNPPDESGPGCMSCKCVLS
Sequence ID No: 15	MTEYKLVVVGAGGVGKSACTIQLIQNHFVDEYDPTIEDSYR KQVVIDGETCLLDILDTAGQEEYSAMRDQYMRTGEGFLCVF AINNTKSFEDIHQYREQIKRVKDSDDVPMVLVGAKCDLAAR TVESRQAQDLARSYGIPYIETSAKTRQGVEDAFYTLVREIRQ HKLRKLNPPDESGPGCMSCKCVLS
Sequence ID No: 16	MTEYKLVVVGAGGVGKSALTIQLIQNHFVDEYDPTIEDSYR KQVVIDGETCLLDILDTAGQEEYSAMRDQYMRTGEGFLCVF AINNTKSFEDIHQYREQIKRVKDSDDVPMVLVGCKCDLAAR TVESRQAQDLARSYGIPYIETSAKTRQGVEDAFYTLVREIRQ HKLRKLNPPDESGPGCMSCKCVLS
Sequence ID No: 17	MTEYKLVVVGAGGVGKSALTIQLIQNHFVDEYDPTIEDSYR KQVVIDGETCLLDILDTAGQEEYSAMRDQYMRTGEGFLCVF AINNTKSFEDIHQYREQIKRVKDSDDVPMVLVGAKCDLAAR TVESRQAQDLARSYGIPYIECSAKTRQGVEDAFYTLVREIRQ HKLRKLNPPDESGPGCMSCKCVLS
Sequence ID No: 18	ATG ACG GAA TAT AAG CTG GTG GTG GGC GCC GGC GGT GTG GGC AAG AGT GCG CTG ACC ATC CAG CTG ATC CAG AAC CAT TTT GTG GAC GAA TAC GAC CCC ACT ATA GAG GAT TCC TAC CGG AAG CAG GTG GTC ATT GAT GGG GAG ACG TGC CTG TTG GAC ATC CTG GAT ACC GCC GGC CAG GAG GAG TAC AGC GCC ATG CGG GAC CAG TAC ATG CGC ACC GGG GAG GGC TTC CTG TGT GTG TTT GCC ATC AAC ACC AAG TCT TTT GAG GAC ATC

	CAC CAG TAC AGG GAG CAG ATC AAA CGG GTG AAG GAC TCG GAT GAC GTG CCC ATG GTG CTG GTG GGG AAC AAG TGT GAC CTG GCT GCA CGC ACT GTG GAA TCT CGG CAG GCT CAG GAC CTC GCC CGA AGC TAC GGC ATC CCC TAC ATC GAG ACC TCG GCC AAG ACC CGG CAG GGA GTG GAG GAT GCC TTC TAC ACG TTG GTG CGT GAG ATC CGG CAG CAC AAG CTG CGG AAG CTG AAC CCT CCT GAT GAG AGT GGC CCC GGC TGC ATG AGC TGC AAG TGT GTG CTC TCC TGA
Sequence ID No: 19	ATG ACG GAA TAT AAG CTG GTG GTG GTG GGC GCC GGC GGT GTG GGC AAG AGT GCG GCG ACC ATC CAG CTG ATC CAG AAC CAT TTT GTG GAC GAA TAC GAC CCC ACT ATA GAG GAT TCC TAC CGG AAG CAG GTG GTC ATT GAT GGG GAG ACG TGC CTG TTG GAC ATC CTG GAT ACC GCC GGC CAG GAG GAG TAC AGC GCC ATG CGG GAC CAG TAC ATG CGC ACC GGG GAG GGC TTC CTG TGT GTG TTT GCC ATC AAC AAC ACC AAG TCT TTT GAG GAC ATC CAC CAG TAC AGG GAG CAG ATC AAA CGG GTG AAG GAC TCG GAT GAC GTG CCC ATG GTG CTG GTG GGG AAC AAG TGT GAC CTG GCT GCA CGC ACT GTG GAA TCT CGG CAG GCT CAG GAC CTC GCC CGA AGC TAC GGC ATC CCC TAC ATC GAG ACC TCG GCC AAG ACC CGG CAG GGA GTG GAG GAT GCC TTC TAC ACG TTG GTG CGT GAG ATC CGG CAG CAC AAG CTG CGG AAG CTG AAC CCT CCT GAT GAG AGT GGC CCC GGC TGC ATG AGC TGC AAG TGT GTG CTC TCC TGA
Sequence ID No: 20	ATG ACG GAA TAT AAG CTG GTG GTG GTG GGC GCC GGC GGT GTG GGC AAG AGT GCG GGG ACC ATC CAG CTG ATC CAG AAC CAT TTT GTG GAC GAA TAC GAC CCC ACT ATA GAG GAT TCC TAC CGG AAG CAG GTG GTC ATT GAT GGG GAG ACG TGC CTG TTG GAC ATC CTG GAT ACC GCC GGC CAG GAG GAG TAC AGC GCC ATG CGG GAC CAG TAC ATG CGC ACC GGG GAG GGC TTC CTG TGT GTG TTT GCC ATC AAC AAC ACC AAG TCT TTT GAG GAC ATC CAC CAG TAC AGG GAG CAG ATC AAA CGG GTG AAG GAC TCG GAT GAC GTG CCC ATG GTG CTG GTG GGG AAC AAG TGT GAC CTG GCT GCA CGC ACT GTG GAA TCT CGG CAG GCT CAG GAC CTC GCC CGA AGC TAC GGC ATC CCC TAC ATC GAG ACC TCG GCC AAG ACC CGG CAG GGA GTG GAG GAT GCC TTC TAC ACG TTG GTG CGT GAG ATC CGG CAG CAC AAG CTG CGG AAG CTG AAC CCT CCT GAT GAG AGT GGC CCC GGC TGC ATG AGC TGC AAG TGT GTG CTC TCC TGA
Sequence ID No: 21	ATG ACG GAA TAT AAG CTG GTG GTG GTG GGC GCC GGC GGT GTG GGC AAG AGT GCG CTG ACC ATC CAG CTG ATC CAG AAC CAT GCT GTG GAC GAA TAC GAC CCC ACT ATA GAG GAT TCC TAC CGG AAG CAG GTG GTC ATT GAT GGG GAG ACG TGC CTG TTG GAC ATC CTG GAT

	ACC GCC GGC CAG GAG GAG TAC AGC GCC ATG CGG GAC CAG TAC ATG CGC ACC GGG GAG GGC TTC CTG TGT GTG TTT GCC ATC AAC AAC ACC AAG TCT TTT GAG GAC ATC CAC CAG TAC AGG GAG CAG ATC AAA CGG GTG AAG GAC TCG GAT GAC GTG CCC ATG GTG CTG GTG GGG AAC AAG TGT GAC CTG GCT GCA CGC ACT GTG GAA TCT CGG CAG GCT CAG GAC CTC GCC CGA AGC TAC GGC ATC CCC TAC ATC GAG ACC TCG GCC AAG ACC CGG CAG GGA GTG GAG GAT GCC TTC TAC ACG TTG GTG CGT GAG ATC CGG CAG CAC AAG CTG CGG AAG CTG AAC CCT CCT GAT GAG AGT GGC CCC GGC TGC ATG AGC TGC AAG TGT GTG CTC TCC TGA
Sequence ID No: 22	ATG ACG GAA TAT AAG CTG GTG GTG GTG GGC GCC GGC GGT GTG GGC AAG AGT GCG CTG ACC ATC CAG CTG ATC CAG AAC CAT GGT GTG GAC GAA TAC GAC CCC ACT ATA GAG GAT TCC TAC CGG AAG CAG GTG GTC ATT GAT GGG GAG ACG TGC CTG TTG GAC ATC CTG GAT ACC GCC GGC CAG GAG GAG TAC AGC GCC ATG CGG GAC CAG TAC ATG CGC ACC GGG GAG GGC TTC CTG TGT GTG TTT GCC ATC AAC AAC ACC AAG TCT TTT GAG GAC ATC CAC CAG TAC AGG GAG CAG ATC AAA CGG GTG AAG GAC TCG GAT GAC GTG CCC ATG GTG CTG GTG GGG AAC AAG TGT GAC CTG GCT GCA CGC ACT GTG GAA TCT CGG CAG GCT CAG GAC CTC GCC CGA AGC TAC GGC ATC CCC TAC ATC GAG ACC TCG GCC AAG ACC CGG CAG GGA GTG GAG GAT GCC TTC TAC ACG TTG GTG CGT GAG ATC CGG CAG CAC AAG CTG CGG AAG CTG AAC CCT CCT GAT GAG AGT GGC CCC GGC TGC ATG AGC TGC AAG TGT GTG CTC TCC TGA
Sequence ID No: 23	ATG ACG GAA TAT AAG CTG GTG GTG GTG GGC GCC GGC GGT GTG GGC AAG AGT GCG CTG ACC ATC CAG CTG ATC CAG AAC CAT TTT GTG GAC GAA TAC GAC CCC ACT ATA GAG GAT TCC TAC CGG AAG CAG GTG GTC ATT GAT GGG GAG ACG TGC CTG TTG GAC ATC CTG GAT ACC GCC GGC CAG GAG GAG TAC AGC GCC ATG CGG GAC CAG TAC ATG CGC ACC GGG GAG GGC TTC CTG TGT GTG TTT GCC ATC AAC AAC ACC AAG TCT TTT GAG GAC ATC CAC CAG TAC AGG GAG CAG ATC AAA CGG GTG AAG GAC TCG GAT GAC GTG CCC ATG GTG CTG GTG GGG GGC AAG TGT GAC CTG GCT GCA CGC ACT GTG GAA TCT CGG CAG GCT CAG GAC CTC GCC CGA AGC TAC GGC ATC CCC TAC ATC GAG ACC TCG GCC AAG ACC CGG CAG GGA GTG GAG GAT GCC TTC TAC ACG TTG GTG CGT GAG ATC CGG CAG CAC AAG CTG CGG AAG CTG AAC CCT CCT GAT GAG AGT GGC CCC GGC TGC ATG AGC TGC AAG TGT GTG CTC TCC TGA
Sequence ID No: 24	ATG ACG GAA TAT AAG CTG GTG GTG GTG GGC GCC GGC GGT GTG GGC AAG AGT GCG CTG ACC ATC CAG

	CTG ATC CAG AAC CAT TTT GTG GAC GAA TAC GAC CCC ACT ATA GAG GAT TCC TAC CGG AAG CAG GTG GTC ATT GAT GGG GAG ACG TGC CTG TTG GAC ATC CTG GAT ACC GCC GGC CAG GAG GAG TAC AGC GCC ATG CGG GAC CAG TAC ATG CGC ACC GGG GAG GGC TTC CTG TGT GTG TTT GCC ATC AAC AAC ACC AAG TCT TTT GAG GAC ATC CAC CAG TAC AGG GAG CAG ATC AAA CGG GTG AAG GAC TCG GAT GAC GTG CCC ATG GTG CTG GTG GGG AAC GGC TGT GAC CTG GCT GCA CGC ACT GTG GAA TCT CGG CAG GCT CAG GAC CTC GCC CGA AGC TAC GGC ATC CCC TAC ATC GAG ACC TCG GCC AAG ACC CGG CAG GGA GTG GAG GAT GCC TTC TAC ACG TTG GTG CGT GAG ATC CGG CAG CAC AAG CTG
Sequence ID No: 25	ATG ACG GAA TAT AAG CTG GTG GTG GTG GGC GCC GGC GGT GTG GGC AAG AGT GCG CTG ACC ATC CAG CTG ATC CAG AAC CAT TTT GTG GAC GAA TAC GAC CCC ACT ATA GAG GAT TCC TAC CGG AAG CAG GTG GTC ATT GAT GGG GAG ACG TGC CTG TTG GAC ATC CTG GAT ACC GCC GGC CAG GAG GAG TAC AGC GCC ATG CGG GAC CAG TAC ATG CGC ACC GGG GAG GGC TTC CTG TGT GTG TTT GCC ATC AAC AAC ACC AAG TCT TTT GAG GAC ATC CAC CAG TAC AGG GAG CAG ATC AAA CGG GTG AAG GAC TCG GAT GAC GTG CCC ATG GTG CTG GTG GGG AAC GGC TGT GAC CTG GCT GCA CGC ACT GTG GAA TCT CGG CAG GCT CAG GAC CTC GCC CGA AGC TAC GGC ATC CCC TAC ATC GAG ACC TCG GCC AAG ACC CGG CAG GGA GTG GAG GAT GCC TTC TAC ACG TTG GTG CGT GAG ATC CGG CAG CAC AAG CTG
Sequence ID No: 26	ATG ACG GAA TAT AAG CTG GTG GTG GTG GGC GCC GGC GGT GTG GGC AAG AGT GCG CTG ACC ATC CAG CTG ATC CAG AAC CAT TTT GTG GAC GAA TAC GAC CCC ACT ATA GAG GAT TCC TAC CGG AAG CAG GTG GTC ATT GAT GGG GAG ACG TGC CTG TTG GAC ATC CTG GAT ACC GCC GGC CAG GAG GAG TAC AGC GCC ATG CGG GAC CAG TAC ATG CGC ACC GGG GAG GGC TTC CTG TGT GTG TTT GCC ATC AAC AAC ACC AAG TCT TTT GAG GAC ATC CAC CAG TAC AGG GAG CAG ATC AAA CGG GTG AAG GAC TCG GAT GAC GTG CCC ATG GTG CTG GTG GGG AAC GGG TGT GAC CTG GCT GCA CGC ACT GTG GAA TCT CGG CAG GCT CAG GAC CTC GCC CGA AGC TAC GGC ATC CCC TAC ATC GAG ACC TCG GCC AAG ACC CGG CAG GGA GTG GAG GAT GCC TTC TAC ACG TTG GTG CGT GAG ATC CGG CAG CAC AAG CTG
Sequence ID No: 27	ATG ACG GAA TAT AAG CTG GTG GTG GTG GGC GCC GGC GGT GTG GGC AAG AGT GCG GCG ACC ATC CAG CTG ATC CAG AAC CAT TTT GTG GAC GAA TAC GAC CCC ACT ATA GAG GAT TCC TAC CGG AAG CAG GTG GTC ATT GAT GGG GAG ACG TGC CTG TTG GAC ATC CTG GAT ACC

	<p>GCC GGC CAG GAG GAG TAC AGC GCC ATG CGG GAC CAG TAC ATG CGC ACC GGG GAG GGC TTC CTG TGT GTG TTT GCC ATC AAC AAC ACC AAG TCT TTT GAG GAC ATC CAC CAG TAC AGG GAG CAG ATC AAA CGG GTG AAG GAC TCG GAT GAC GTG CCC ATG GTG CTG GTG GGG GCC AAG TGT GAC CTG GCT GCA CGC ACT GTG GAA TCT CGG CAG GCT CAG GAC CTC GCC CGA AGC TAC GGC ATC CCC TAC ATC GAG ACC TCG GCC AAG ACC CGG CAG GGA GTG GAG GAT GCC TTC TAC ACG TTG GTG CGT GAG ATC CGG CAG CAC AAG CTG CGG AAG CTG AAC CCT CCT GAT GAG AGT GGC CCC GGC TGC ATG AGC TGC AAG TGT GTG CTC TCC TGA</p>
Sequence ID No: 28	<p>ATG ACG GAA TAT AAG CTG GTG GTG GTG GGC GCC GGC GGT GTG GGC AAG AGT GCG GCG ACC ATC CAG CTG ATC CAG AAC CAT TTT GTG GAC GAA TAC GAC CCC ACT ATA GAG GAT TCC TAC CGG AAG CAG GTG GTC ATT GAT GGG GAG ACG TGC CTG TTG GAC ATC CTG GAT ACC GCC GGC CAG GAG GAG TAC AGC GCC ATG CGG GAC CAG TAC ATG CGC ACC GGG GAG GGC TTC CTG TGT GTG TTT GCC ATC AAC AAC ACC AAG TCT TTT GAG GAC ATC CAC CAG TAC AGG GAG CAG ATC AAA CGG GTG AAG GAC TCG GAT GAC GTG CCC ATG GTG CTG GTG GGG GCC AAG TGT GAC CTG GCT GCA CGC ACT GTG GAA TCT CGG CAG GCT CAG GAC CTC GCC CGA AGC TAC GGC ATC CCC TAC ATC GAG ACC TCG GCC AAG ACC CGG CAG GGA GTG GAG GAT GCC TTC TAC ACG TTG GTG CGT GAG ATC CGG CAG CAC AAG CTG CGG AAG CTG AAC CCT CCT GAT GAG AGT GGC CCC GGC TGC ATG AGC TGC AAG TGT GTG CTC TCC TGA</p>
Sequence ID No: 29	<p>ATG ACG GAA TAT AAG CTG GTG GTG GTG GGC GCC GGC GGT GTG GGC AAG AGT GCG GGG ACC ATC CAG CTG ATC CAG AAC CAT TTT GTG GAC GAA TAC GAC CCC ACT ATA GAG GAT TCC TAC CGG AAG CAG GTG GTC ATT GAT GGG GAG ACG TGC CTG TTG GAC ATC CTG GAT ACC GCC GGC CAG GAG GAG TAC AGC GCC ATG CGG GAC CAG TAC ATG CGC ACC GGG GAG GGC TTC CTG TGT GTG TTT GCC ATC AAC AAC ACC AAG TCT TTT GAG GAC ATC CAC CAG TAC AGG GAG CAG ATC AAA CGG GTG AAG GAC TCG GAT GAC GTG CCC ATG GTG CTG GTG GGG GCC AAG TGT GAC CTG GCT GCA CGC ACT GTG GAA TCT CGG CAG GCT CAG GAC CTC GCC CGA AGC TAC GGC ATC CCC TAC ATC GAG ACC TCG GCC AAG ACC CGG CAG GGA GTG GAG GAT GCC TTC TAC ACG TTG GTG CGT GAG ATC CGG CAG CAC AAG CTG CGG AAG CTG AAC CCT CCT GAT GAG AGT GGC CCC GGC TGC ATG AGC TGC AAG TGT GTG CTC TCC TGA</p>
Sequence ID No: 30	<p>ATG ACG GAA TAT AAG CTG GTG GTG GTG GGC GCC GGC GGT GTG GGC AAG AGT GCG GGG ACC ATC CAG</p>

	CTG ATC CAG AAC CAT TTT GTG GAC GAA TAC GAC CCC ACT ATA GAG GAT TCC TAC CGG AAG CAG GTG GTC ATT GAT GGG GAG ACG TGC CTG TTG GAC ATC CTG GAT ACC GCC GGC CAG GAG GAG TAC AGC GCC ATG CGG GAC CAG TAC ATG CGC ACC GGG GAG GGC TTC CTG TGT GTG TTT GCC ATC AAC AAC ACC AAG TCT TTT GAG GAC ATC CAC CAG TAC AGG GAG CAG ATC AAA CGG GTG AAG GAC TCG GAT GAC GTG CCC ATG GTG CTG GTG GGG GGC AAG TGT GAC CTG GCT GCA CGC ACT GTG GAA TCT CGG CAG GCT CAG GAC CTC GCC CGA AGC TAC GGC ATC CCC TAC ATC GAG ACC TCG GCC AAG ACC CGG CAG GGA GTG GAG GAT GCC TTC TAC ACG TTG GTG CGT GAG ATC CGG CAG CAC AAG CTG CGG AAG CTG AAC CCT CCT GAT GAG AGT GGC CCC GGC TGC ATG AGC TGC AAG TGT GTG CTC TCC TGA
Sequence ID No: 31	ATG ACG GAA TAT AAG CTG GTG GTG GTG GGC GCC GGC GGT GTG GGC AAG AGT GCG TGT ACC ATC CAG CTG ATC CAG AAC CAT TTT GTG GAC GAA TAC GAC CCC ACT ATA GAG GAT TCC TAC CGG AAG CAG GTG GTC ATT GAT GGG GAG ACG TGC CTG TTG GAC ATC CTG GAT ACC GCC GGC CAG GAG GAG TAC AGC GCC ATG CGG GAC CAG TAC ATG CGC ACC GGG GAG GGC TTC CTG TGT GTG TTT GCC ATC AAC AAC ACC AAG TCT TTT GAG GAC ATC CAC CAG TAC AGG GAG CAG ATC AAA CGG GTG AAG GAC TCG GAT GAC GTG CCC ATG GTG CTG GTG GGG GGC AAG TGT GAC CTG GCT GCA CGC ACT GTG GAA TCT CGG CAG GCT CAG GAC CTC GCC CGA AGC TAC GGC ATC CCC TAC ATC GAG ACC TCG GCC AAG ACC CGG CAG GGA GTG GAG GAT GCC TTC TAC ACG TTG GTG CGT GAG ATC CGG CAG CAC AAG CTG CGG AAG CTG AAC CCT CCT GAT GAG AGT GGC CCC GGC TGC ATG AGC TGC AAG TGT GTG CTC TCC TGA
Sequence ID No: 32	ATG ACG GAA TAT AAG CTG GTG GTG GTG GGC GCC GGC GGT GTG GGC AAG AGT GCG TGT ACC ATC CAG CTG ATC CAG AAC CAT TTT GTG GAC GAA TAC GAC CCC ACT ATA GAG GAT TCC TAC CGG AAG CAG GTG GTC ATT GAT GGG GAG ACG TGC CTG TTG GAC ATC CTG GAT ACC GCC GGC CAG GAG GAG TAC AGC GCC ATG CGG GAC CAG TAC ATG CGC ACC GGG GAG GGC TTC CTG TGT GTG TTT GCC ATC AAC AAC ACC AAG TCT TTT GAG GAC ATC CAC CAG TAC AGG GAG CAG ATC AAA CGG GTG AAG GAC TCG GAT GAC GTG CCC ATG GTG CTG GTG GGG GGC AAG TGT GAC CTG GCT GCA CGC ACT GTG GAA TCT CGG CAG GCT CAG GAC CTC GCC CGA AGC TAC GGC ATC CCC TAC ATC GAG ACC TCG GCC AAG ACC CGG CAG GGA GTG GAG GAT GCC TTC TAC ACG TTG GTG CGT GAG ATC CGG CAG CAC AAG CTG CGG AAG CTG AAC CCT CCT GAT GAG AGT GGC CCC GGC TGC ATG AGC TGC AAG TGT

	GTG CTC TCC TGA
Sequence ID No: 33	ATG ACG GAA TAT AAG CTG GTG GTG GTG GGC GCC GGC GGT GTG GGC AAG AGT GCG CTG ACC ATC CAG CTG ATC CAG AAC CAT TTT GTG GAC GAA TAC GAC CCC ACT ATA GAG GAT TCC TAC CGG AAG CAG GTG GTC ATT GAT GGG GAG ACG TGC CTG TTG GAC ATC CTG GAT ACC GCC GGC CAG GAG GAG TAC AGC GCC ATG CGG GAC CAG TAC ATG CGC ACC GGG GAG GGC TTC CTG TGT GTG TTT GCC ATC AAC AAC ACC AAG TCT TTT GAG GAC ATC CAC CAG TAC AGG GAG CAG ATC AAA CGG GTG AAG GAC TCG GAT GAC GTG CCC ATG GTG CTG GTG GGG TGC AAG TGT GAC CTG GCT GCA CGC ACT GTG GAA TCT CGG CAG GCT CAG GAC CTC GCC CGA AGC TAC GGC ATC CCC TAC ATC GAG ACC TCG GCC AAG ACC CGG CAG GGA GTG GAG GAT GCC TTC TAC ACG TTG GTG CGT GAG ATC CGG CAG CAC AAG CTG CGG AAG CTG AAC CCT CCT GAT GAG AGT GGC CCC GGC TGC ATG AGC TGC AAG TGT GTG CTC TCC TGA
Sequence ID No: 34	ATG ACG GAA TAT AAG CTG GTG GTG GTG GGC GCC GGC GGT GTG GGC AAG AGT GCG CTG ACC ATC CAG CTG ATC CAG AAC CAT TTT GTG GAC GAA TAC GAC CCC ACT ATA GAG GAT TCC TAC CGG AAG CAG GTG GTC ATT GAT GGG GAG ACG TGC CTG TTG GAC ATC CTG GAT ACC GCC GGC CAG GAG GAG TAC AGC GCC ATG CGG GAC CAG TAC ATG CGC ACC GGG GAG GGC TTC CTG TGT GTG TTT GCC ATC AAC AAC ACC AAG TCT TTT GAG GAC ATC CAC CAG TAC AGG GAG CAG ATC AAA CGG GTG AAG GAC TCG GAT GAC GTG CCC ATG GTG CTG GTG GGG GGC AAG TGT GAC CTG GCT GCA CGC ACT GTG GAA TCT CGG CAG GCT CAG GAC CTC GCC CGA AGC TAC GGC ATC CCC TAC ATC GAG TGC TCG GCC AAG ACC CGG CAG GGA GTG GAG GAT GCC TTC TAC ACG TTG GTG CGT GAG ATC CGG CAG CAC AAG CTG CGG AAG CTG AAC CCT CCT GAT GAG AGT GGC CCC GGC TGC ATG AGC TGC AAG TGT GTG CTC TCC TGA